

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/602,840

Source: _____

Date Processed by STIC: _____

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/09/2004

PATENT APPLICATION: US/09/602,840

TIME: 08:40:15

Input Set : N:\Crif3\RULE60\09602840.raw.txt

Output Set: N:\CRF4\12092004\I602840.raw

SEQUENCE LISTING

3 (i) GENERAL INFORMATION:

5 (i) APPLICANT: Kirihara, J. A.

6 Hibberd, K. A.

7 Anthony, J. L.

9 (ii) TITLE OF INVENTION: METHOD FOR ALTERING

10 THE NUTRITIONAL CONTENT OF PLANT SEED

12 (iii) NUMBER OF SEQUENCES: 8

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.

16 (B) STREET: P.O. Box 2938

17 (C) CITY: Minneapolis

18 (D) STATE: MN

19 (E) COUNTRY: USA

20 (F) ZIP: 55402

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Diskette

24 (B) COMPUTER: IBM Compatible

25 (C) OPERATING SYSTEM: DOS

26 (D) SOFTWARE: FastSEQ Version 2.0

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/602,840

C--> 30 (B) FILING DATE: 23-Jun-2000

31 (C) CLASSIFICATION: 800

33 (vii) PRIOR APPLICATION DATA:

W--> 34 (A) APPLICATION NUMBER: US/08/763,704

35 (B) FILING DATE: 09-DEC-1996

W--> 36 (A) APPLICATION NUMBER: 08/112,245

37 (B) FILING DATE: 25-AUG-1993

W--> 39 (A) APPLICATION NUMBER: 07/508,045

40 (B) FILING DATE: 11-APR-1990

W--> 42 (A) APPLICATION NUMBER: 07/467,983

43 (B) FILING DATE: 22-JAN-1990

45 (viii) ATTORNEY/AGENT INFORMATION:

46 (A) NAME: Woessner, Warren D

47 (B) REGISTRATION NUMBER: 30,440

48 (C) REFERENCE/DOCKET NUMBER: 950.011US1

50 (ix) TELECOMMUNICATION INFORMATION:

51 (A) TELEPHONE: 612-339-0331

52 (B) TELEFAX: 612-339-3061

53 (C) TELEX:

56 (2) INFORMATION FOR SEQ ID NO: 1:

58 (i) SEQUENCE CHARACTERISTICS:

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Input Set : N:\Cr33\RULE60\09602840.raw.txt

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59      (A) LENGTH: 921 base pairs
60      (B) TYPE: nucleic acid
61      (C) STRANDEDNESS: single
62      (D) TOPOLOGY: linear
64      (ii) MOLECULE TYPE: Genomic RNA
66      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
68      AAAAUCUGGA AAUGUAAUUU CUUAUUUCUG GUUGGCCACA UACAUCAACC AUAAUUUUGA      60
69      GACCAACAAG CAACAUAGAA AGUGGAAUCC AGUAGCAACA ACAGAGCAAC AAUGGCGACC      120
70      AAGAUUUUUU CCCUCCUUU AUUUCUUGCU CUUUCUGCAU GUGUUGCUAA CGCGACAAUU      180
71      UUUUUUCAAU GCUCACAAGC UCCUAUAGCU UCCCUUCUUC CCCCAUACCU UCCAUCUAAU      240
72      AUAGCUUCAG UAUGUAAAAA CCCAGCUCUU CAGCCCUAUA GGCUCUACA AGCAUUCGCA      300
73      GCAAGCAACA UACUUUUUAA ACCCUUGUUG UUUUACAACU CGCCAGCCCU AUCUUUUGUG      360
74      CAGUCAUUGG UACAAACCAU CAGGGCAGAG CAGCUGCAGC AACUCGUGCU ACCUGUGAUC      420
75      AACCAAGUAG CUCUGGCAAA CCUUUCUCCC UACUCUCAGC AACCAACAAU UCUUCCAUCU      480
76      AACCAACUGU CUACACUGAA CCCUGCUGCU UAUUUGCAGC AACCAACUAA ACCAUUCAGC      540
77      CAGCUAGCUA CUGCCUACUC UCAGCAACAA CAACUUCUUC CAUUUAACCA AUUGGCCGCA      600
78      CUGAACCCCG CUGCUUAAUU GCAGCAGCAA AUACUACUAC CAUUUAGCCA GCUAGCUGCA      660
79      GCAAACCGUG CUUCCUUCUU GACACAGCAA CAGUUGCUGC CUUUCUACCA GCAGUUGCG      720
80      GCUAACCCCG CAACCCUCUU ACAACUACAA CAAUUGUUGC CCUUUGUCCA ACUUGCUUUG      780
81      ACAGACCCAG CGGCCUCCUA CCAACAACAC AUCAUUGGUG GUGCCCUCUU UUAGAUUGCU      840
82      UAUUAGUUGU AAUUCAAUAA UAAAGUUUUU UGGAUGAUGU AUGUGGCCAA CCAGAAAUAA      900
83      GAAGUUACAU UCCAGAUUU U      921
85      (2) INFORMATION FOR SEQ ID NO: 2:
87      (i) SEQUENCE CHARACTERISTICS:
88      (A) LENGTH: 1364 base pairs
89      (B) TYPE: nucleic acid
90      (C) STRANDEDNESS: single
91      (D) TOPOLOGY: linear
93      (ii) MOLECULE TYPE: Genomic RNA
95      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
97      CGAGUGAUUC UUUAAACCGA UUAUUACACA AGUUAACCAC ACUAAAAUUA ACAUUGGUGA      60
98      AUCGUGCCAU GAUUUUUUU UAGUGCAAAA UAGCCAAACC AAGCAAAACA UAUGUGGCUA      120
99      UCGUUAACACA UGUGUAAAGG UAUUGCAUCA CACCAUUGUC ACCCAUGUAA UUGGACAAUA      180
100     CCGAGAGGAA AAACCACUUA UUUUUUGUUA UUUUAUAGU UUAUCUUGCU UACGUUUAUA      240
101     UUAUAACCCA ACAAGUAAU CACUAAAUUG CAAACCAAC UAGAUACCAU GUCAUCUCUA      300
102     CCUUAUCUUA CUAAUUAUUC UUUUGCAAAA UGGAUUAUA AUUUGCACA AGCACAAGGA      360
103     CUGAGAUGUG UAUAUUAUUC UCJUAGAUUA GUAGAUAAUA UAUCGCACA AUUAUUGAGA      420
104     CCAACUAGCA ACAUAGAAAG CACAUAUUG UACCAAUAAU GGCAGCCAA AUUUUUUGCC      480
105     UCAUUAUGCU CCUUGGUCUU UCUGCAAGUG CUGCUACGGC GAGCAUUUUC CCGCAAUGCU      540
106     CACAAGCUCC UAUAGCUUCC CUUCUCCCC CAUACCUCUC ACCAGCGAUG UCUUCAGUAA      600
107     GUGAAAAUCC AAUUCUUCU CCCUACAGGA UCCAACAGGC AAUCGCAGCA GGAUCUUUAC      660
108     CUUUUAUACC CUUGUUCUUC CAACAUAUUA CAGCCCUAUA ACAGCAGUUA CCUUUGGUGC      720
109     AUUUUAUUGC ACAAACAUC AGGGCACAAC AACUACAACA ACUCGUGCUA GCAAACCUUG      780
110     CUGCCUACUC UCAGCAACAG CAGUUAACUU UGGUGCAUUU GUUGGCACAA AACAUAGGG      840
111     CACAACAACU ACAACAACUC GUGCUAGCAA ACCUUGCUGC CUACUCUCAG CAACAACAGU      900
112     UUCUGCCAUU CAACCAACUA GCUGCAUUGA ACUCUGCUGC UUAUUUGCAG CAACAACAAC      960
113     UACUACCAU CAGCCAGCUA GCUGCUGCCU ACCCCCGGCA AUUUCUCCA UUCAACCAAC      1020
114     UGGCAGCAU GAACUCUCAU GCUUAUGUAC AACACAACA ACUACUACCA UUCAGCCAGC      1080
115     UAGCUGCUGU GAGCCUGCU GCCUUCUUGA CACAGCAACA UUUGUUGCCG UUCUACCUGC      1140

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116 ACACUGCGCC UAACGUUGGC ACCCUCUUAC AACUGCAACA AUUGCUGCCA UUCGACCAAC 1200
117 UUGCUUUGAC AAACCCAGCA GUGUUCUACC AACAACCCAU CAUUGGUGGU GCCCUCUUUU 1260
118 AGAUUGCUUA UGAGUUAUAG UUCAUAUA AAGUUUUUUU UGCUGAUUU UGUGGCUUCC 1320
119 CAGAAAUAAG AAAGUACAUU UCUAGAUUCU UAUGUGCUUC UAGU 1364
121 (2) INFORMATION FOR SEQ ID NO: 3:
122     (i) SEQUENCE CHARACTERISTICS:
123         (A) LENGTH: 19 base pairs
124         (B) TYPE: nucleic acid
125         (C) STRANDEDNESS: single
126         (D) TOPOLOGY: linear
127     (ii) MOLECULE TYPE: cDNA
131     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
132 GACCAACAAG CAACATAGA 19
135 (2) INFORMATION FOR SEQ ID NO: 4:
136     (i) SEQUENCE CHARACTERISTICS:
137         (A) LENGTH: 23 base pairs
138         (B) TYPE: nucleic acid
139         (C) STRANDEDNESS: single
140         (D) TOPOLOGY: linear
141     (ii) MOLECULE TYPE: cDNA
145     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
146 AGCAGCAGGG TTCAGTGTAG ACA 23
149 (2) INFORMATION FOR SEQ ID NO: 5:
150     (i) SEQUENCE CHARACTERISTICS:
151         (A) LENGTH: 22 base pairs
152         (B) TYPE: nucleic acid
153         (C) STRANDEDNESS: single
154         (D) TOPOLOGY: linear
155     (ii) MOLECULE TYPE: cDNA
159     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
160 TCTAGGAAGC AAGGACACCA CC 22
163 (2) INFORMATION FOR SEQ ID NO: 6:
164     (i) SEQUENCE CHARACTERISTICS:
165         (A) LENGTH: 22 base pairs
166         (B) TYPE: nucleic acid
167         (C) STRANDEDNESS: single
168         (D) TOPOLOGY: linear
169     (ii) MOLECULE TYPE: cDNA
173     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
174 GCAAGACCGG CAACAGGATT CA 22
177 (2) INFORMATION FOR SEQ ID NO: 7:
178     (i) SEQUENCE CHARACTERISTICS:
179         (A) LENGTH: 21 base pairs
180         (B) TYPE: nucleic acid
181         (C) STRANDEDNESS: single
182         (D) TOPOLOGY: linear
183     (ii) MOLECULE TYPE: cDNA
187     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
188 GCACTTCTCC ATCACCACCA C 21

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191 (2) INFORMATION FOR SEQ ID NO: 8:
193 (i) SEQUENCE CHARACTERISTICS:
194 (A) LENGTH: 21 base pairs
195 (B) TYPE: nucleic acid
196 (C) STRANDEDNESS: single
197 (D) TOPOLOGY: linear
199 (ii) MOLECULE TYPE: cDNA
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
203 TATCCCCTTT CCAACTTTCA G

21

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/602,840

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TIME: 08:40:16

Input Set : N:\Crf3\RULE60\09602840.raw.txt

Output Set: N:\CRF4\12092004\I602840.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:36 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:39 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:42 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)